



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/653,821	09/03/2003	Nathan Lee Gray	1171/41357/134	4123
279	7590	08/14/2007	EXAMINER	
TREXLER, BUSHNELL, GIANGIORGI, BLACKSTONE & MARR, LTD. 105 WEST ADAMS STREET SUITE 3600 CHICAGO, IL 60603			HOOK, JAMES F	
			ART UNIT	PAPER NUMBER
			3754	
MAIL DATE		DELIVERY MODE		
08/14/2007		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Interview Summary	Application No.	Applicant(s)	
	10/653,821	GRAY, NATHAN LEE	
	Examiner James F. Hook	Art Unit 3754	

All participants (applicant, applicant's representative, PTO personnel):

(1) James F. Hook. (3) _____.

(2) Ms. Linda Palomar (applicant's rep.). (4) _____.

Date of Interview: 08 August 2007.

Type: a) Telephonic b) Video Conference
c) Personal [copy given to: 1) applicant 2) applicant's representative]

Exhibit shown or demonstration conducted: d) Yes e) No.

If Yes, brief description: a prior art thicker unreinforced hose, and three forms of applicant's invention including one without any reinforcement, one with a reinforcement longitudinally provided inside the thin walled tube, and one with the reinforcement longitudinally disposed inside as well as a mesh outside protective layer.

Claim(s) discussed: 1 and 19.

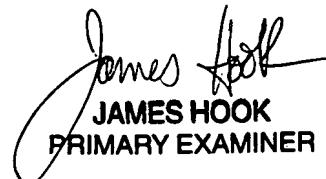
Identification of prior art discussed: Dryden, Darling, and Gray (849).

Agreement with respect to the claims f) was reached. g) was not reached. h) N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.



JAMES HOOK
PRIMARY EXAMINER

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: discussed that the prior art shows members inside of the tubes that run lengthwise and would provide at least some reinforcement to the tube, however such would be incidental in nature. The examiner is of the opinion that based upon the teachings of applicants specification that the reinforcement in applicants application is similar to the tube in Dryden and that more detailed limitation to the amount of reinforcement applicants longitudinal reinforcement is providing would be required to over come this reference. It was also the examiners position that Darling teaching a longitudinal wire would provide a larger amount of longitudinal reinforcement than the Dryden reference in that the wire would be stiffer, and that applicant's arguments alone do not appear to overcome the references. It was suggested that language be added to the independent claims directed as much to the amount of reinforcement being provided along with arguments as to why the base references to Dryden and Darling would not meet that limitation. At present it appears the specification would provide support for language of the reinforcement being "sufficiently stiff to resist buckling under transiently reduced internal pressures" and the examiner will consider the language chosen at the time it is submitted along with a reproduction of the arguments provided in the interview, may overcome the rejections under Dryden and Darling pending further search and consideration. It was also discussed that the examiner recommends possibly adding dependent claims directed to the specific material used for the reinforcement which would provide the necessary stiffness, and the specific properties of the material such as stiffness as set forth in the specification. Also discussed the combination with Gray, however, it is the examiners position that one skilled in the art based upon the teachings of Gray would have been motivated to combine a reference dealing with thin layered spirally reinforced tubes which are provided with other reinforcement that was designed for use in combination with other tubes utilized to transport air such Dryden and Darling. It was argued that the requirements of such an air handling duct of Gray would not capable of modifying the references of Dryden and Darling since such would be supported at its ends and would not suffer from the same flexibility issues of breathing tubes such as used in Dryden and Darling, however, based upon the examiner knowledge, air duct tubes such as set forth in Gray do expand and contract along their longitudinal axis during use and such was not a persuasive argument especially when all three references deal with air conducting conduits. It is not clear at this time without specific language whether such will be considered a new issue and/or would be allowable without further search and consideration at the time of submission.